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Attorney Docket No. \_\_\_\_\_

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

POLYIMIDE MEMBRANES

the specification of which

(check one) ☒ is attached hereto.  
☐ was filed on \_\_\_\_\_  
as U.S. Application Serial No. \_\_\_\_\_.  
☐ was filed on \_\_\_\_\_  
as PCT International Application No. PCT / \_\_\_\_\_.

and (if applicable) was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §§ 1.56(a) and (b), which state:

"(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practised or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application,
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability."

I hereby claim foreign priority benefits under 35 United States Code, § 119 and/or § 365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing of this application:

PRIOR FOREIGN APPLICATION(S)

<u>Number</u>	<u>Country</u>	<u>Filing Date</u> <u>(Day/Month/Year)</u>	<u>Date First</u> <u>Laid-open or</u> <u>Published</u>	<u>Date</u> <u>Patented</u> <u>or Granted</u>	<u>Priority</u> <u>Claimed?</u>
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N/A

I hereby claim the benefit under 35 United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>Application Number</u>	<u>Filing Date</u>
60/453,971	March 13, 2003

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

PRIOR U.S. OR PCT APPLICATION(S)

<u>Application No.</u>	<u>Filing Date</u> <u>(day/month/year)</u>	<u>Status</u> <u>(pending, abandoned, granted)</u>
------------------------	-----------------------------------------------	-------------------------------------------------------

N/A

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

1) INVENTOR'S SIGNATURE: Tai-shung CHUNG Date: 8/2/03

Inventor's Name: TAI-SHUNG NEAL CHUNG  
(First) (Middle Initial) (Family Name)

Country of Citizenship: SINGAPORE

Residence: ANN ARBOR, MICHIGAN, U.S.A.  
(City, Province, Country)

Post Office Address: 4243 Pine Ridge Court, Ann Arbor, Michigan 48105, U.S.A.

2) INVENTOR'S SIGNATURE: Mei LIN Date: 08/12/03

Inventor's Name: MEI LIN CHNG  
(First) (Middle Initial) (Family Name)

Country of Citizenship: SINGAPORE

Residence: SINGAPORE, SINGAPORE  
(City, Province, Country)

Post Office Address: Blk 109 Toa Payoh Lor 1#06-310, Singapore 310109

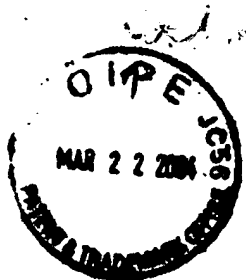
3) INVENTOR'S SIGNATURE: Shao Lu Date: 08/12/03

Inventor's Name: LU SHAO  
(First) (Middle Initial) (Family Name)

Country of Citizenship: HARBIN, HEI LONG JIANG PROVINCE, CHINA

Residence: CHINA  
(City, Province, Country)

Post Office Address: #03-01, NO. 85 Anhua Street, Dao Li District, Harbin,  
Hei Long Jiang Province, China 150001



PTO CUSTOMER NO. \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Group Art Unit:
	)	
Tai-Shung Neal Chung, Mei Lin Chng	)	Examiner:
and Lu Shao	)	
	)	
Serial No.:	)	Attorney Docket:
	)	
Filed:	)	
	)	
For: POLYIMIDE MEMBRANES	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
U.S.A.

**POWER OF ATTORNEY FOR  
PATENT APPLICATION**

National University of Singapore, a Singaporean corporation having principal offices at:

**10 Kent Ridge Crescent  
Singapore 119260**

the owner by assignment of the entire right, title and interest to the invention for  
POLYIMIDE MEMBRANES, by Tai-Shung Neal Chung, Mei Lin Chng and Lu Shao, and  
in and to the application for patent and any Letters Patent, whether domestic or foreign, that  
may issue thereon, by virtue of the assignment (check as applicable):

- ☒ Recorded Concurrently Herewith  
☐ Recorded on  
☐ Recorded at Reel      Frame  
☐ Copy Attached

hereby appoints the following attorneys and/or agents with full power of substitution,  
association and revocation to transact all business in the Patent and Trademark Office  
connected therewith:

RICHARD J. POLLEY (Reg. No. 28,107)

including signing of all papers on its behalf and making alterations and amendments.

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In Re Application of:  
TAI-SHUNG NEAL CHUNG, MEI LIN CHNG and LU SHAO  
For POLYIMIDE MEMBRANES  
Page 2

Please send all correspondence to: **KLARQUIST SPARKMAN, LLP**  
One World Trade Center  
121 S.W. Salmon Street, Suite 1600  
Portland, Oregon 97204

Telephone: (503) 226-7391  
Facsimile: (503) 228-9446

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

NATIONAL UNIVERSITY OF SINGAPORE

24 Nov 2003

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Date

Name: Tay Kim Huat

Title Deputy Director  
Industry and Technology Relations  
Office

**COPY**

**COPY**

ASSIGNMENT

WHEREAS, WE, TAI-SHUNG NEAL CHUNG, MEI LIN CHNG and LU SHAO, whose full post office addresses are 4243 Pine Ridge Court, Ann Arbor, Michigan 48105 (U.S.); Blk 109 Toa Payoh Lor 1 #06-310, Singapore 310109; and #03-01, No. 85 Anhua Street, Dao Li District, Harbin, Hei Long Jiang Province, China 150001, respectively, have invented an invention relating to POLYIMIDE MEMBRANES for which application for a patent is about to be filed in the United States;

AND WHEREAS, NATIONAL UNIVERSITY OF SINGAPORE, whose full post office addresses are 10 Kent Ridge Crescent, Singapore 119260 is desirous of acquiring an interest therein;

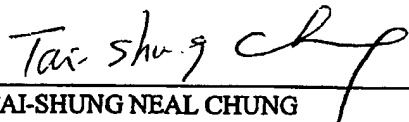
AND WHEREAS, the serial number and filing date of the non-provisional U.S. application for said invention, when assigned, should be entered here as follows:

Serial No.: 10/713,869  
Filing Date: November 14, 2003

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, TAI-SHUNG NEAL CHUNG, MEI LIN CHNG and LU SHAO, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto NATIONAL UNIVERSITY OF SINGAPORE the full and exclusive right, title and interest for the United States of America and all other countries foreign thereto, in and to said invention, as described in said application, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by said NATIONAL UNIVERSITY OF SINGAPORE for their own use and behoof, and for their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

WE, TAI-SHUNG NEAL CHUNG, MEI LIN CHNG and LU SHAO, undertake to sign such further documents to effect the aforesaid sale, transfer and assignment as may be required from time to time, without reimbursement, but at the expense of NATIONAL UNIVERSITY OF SINGAPORE.

EXECUTED this 8th day of December, 2003.

  
\_\_\_\_\_  
TAI-SHUNG NEAL CHUNG

I, Cao Chun, hereby declare that I was personally present and did see TAI-SHUNG NEAL CHUNG who is personally known to me to be the person named in the above assignment duly sign and execute the same.

Cao Chun  
Signature of Witness

EXECUTED this 8th day of December, 2003.

Chng  
MEI LIN CHNG

I, Tin Pei Shi, hereby declare that I was personally present and did see MEI LIN CHNG, who is personally known to me to be the person named in the above assignment duly sign and execute the same.

Tin Pei Shi  
Signature of Witness

EXECUTED this 8th day of December, 2003.

Shao Lu  
LU SHAO

I, Xiao Youchang, hereby declare that I was personally present and did see LU SHAO, who is personally known to me to be the person named in the above assignment duly sign and execute the same.

Xiao Youchang  
Signature of Witness